



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

## NOTICE OF ACCEPTANCE (NOA)

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

Protech Screen, Inc.  
P.O. Box 1710  
Pearland, Texas 77588

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

### DESCRIPTION: Series "D" Operable Hurricane Screen

**APPROVAL DOCUMENT:** Drawing No. 12-098, titled " Series "D" Operable Hurricane Screen ", sheets 1 through 3 of 3, prepared by EngCo., Inc., dated May 17, 2012, signed & sealed by Pedro De Figueiredo, P.E., on May 23, 2012, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 06-0515.03 and consists of this page 1, evidence submitted page E-1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



*Helmy A. Makar*  
10/04/2012

NOA No. 12-0625.14  
Expiration Date: 02/25/2014  
Approval Date: 10/04/2012  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 06-0515.03**

**A. DRAWINGS**

1. *Drawing No. 06-119, titled "Series "D" Operable Hurricane Screen ", sheets 1 through 3 of 3, prepared by EngCo., Inc., dated April 17, 2006, signed & sealed by Pedro De Figueiredo, P.E., on May 10, 2006.*

**B. TESTS**

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test of "D" Series Operable Impact Screen, prepared by Construction Consulting Laboratory, International, Report No. CCLI-05-159, dated November 03, 2005, signed and sealed by Abdol Rezadad, P.E.*

**C. CALCULATIONS**

1. *Storm panel calculations and anchor analysis, 8 sheets, by Engco, Inc., signed and sealed by Pedro De Figueiredo, P.E., on May 10, 2006.*

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Building Code Compliance Office.*

**E. MATERIAL CERTIFICATIONS**

1. *Die Drawing numbers 2950, 7372, 9809, 3782, 05-159, 3493, & 3735.*

**2. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. *Drawing No. 12-098, titled "Series "D" Operable Hurricane Screen ", sheets 1 through 3 of 3, prepared by EngCo., Inc., dated May 17, 2012, signed & sealed by Pedro De Figueiredo, P.E., on May 23, 2012.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

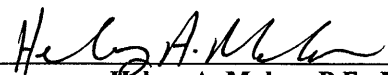
1. *None.*

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

**E. MATERIAL CERTIFICATIONS**

1. *None.*



**Helmy A. Makar, P.E., M.S.**  
**Product Control Unit Supervisor**  
**NOA No. 12-0625.14**  
**Expiration Date: 02/25/2014**  
**Approval Date: 10/04/2012**

# SERIES D

## OPERABLE HURRICANE SCREEN

### LARGE AND SMALL IMPACT RESISTANT

ALLOWABLE PRESSURE: +69, -56 PSF

MANUFACTURER:

**PROTECH  
SCREENS, INC**

2425 ROY ROAD  
PEARLAND - TEXAS  
PHONE: (281) 485-2300  
FAX: (281) 485-8837

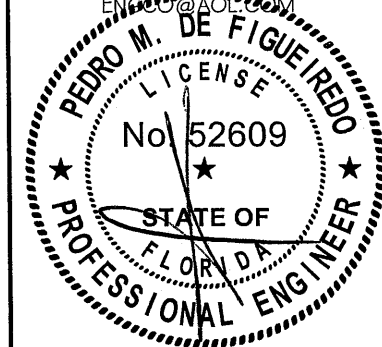
PRODUCT:

**SERIES D**  
OPERABLE HURRICANE SCREEN  
LARGE & SMALL MISSILE  
IMPACT RATED

ENGINEERING:

**ENGCO INC.** CA 8116

5595 ORANGE DR. 201  
DAVIE, FL. 33314  
Tel.: (954) 585-0304  
ENGCO@AOL.COM



**MAY 23 2012**

Engineer Seal  
Pedro De Figueiredo - PE 52609

MIAMI-DADE BCCO:

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No 12-0625-14  
Expiration Date 02/25/2014  
By Helen A. Miller  
Miami Dade Product Control

DATE: 05/17/2012  
SCALE: NA  
DESIGN BY: PPMF

SHEET  
1 OF 3

DRAWING #:  
12-098

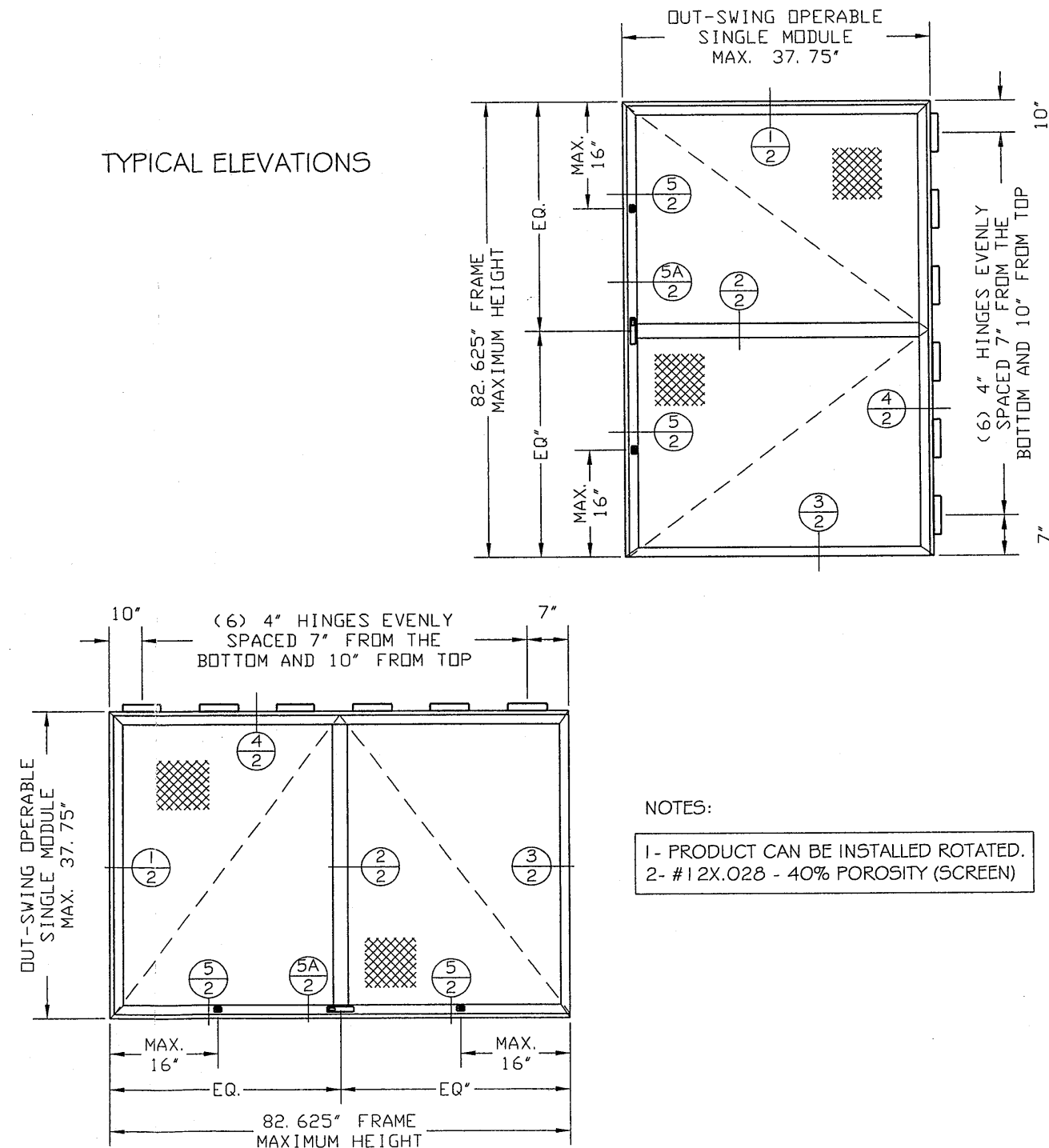
### GENERAL NOTES:

- 1- CODE: FLORIDA BUILDING CODE 2010 - HVHZ.
- 2- TEST COMPLIANCE: TAS 201, TAS 202 AND TAS 203
- 3- PRODUCT DESCRIPTION: THIS PRODUCT IS A HURRICANE SHUTTER DEVICE COMPOSED OF AN OPERABLE HURRICANE SCREEN
- 4- LABEL: A PERMANENT LEGIBLE LABEL SHALL BE PLACED ON EACH UNIT AT A VISIBLE LOCATION STATING THE FOLLOWING:  
  
"SERIES D OPERABLE SCREEN SHUTTER  
PROTECH SCREEN, INC. - PEARLAND, TEXAS  
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED"
- 5- MATERIAL:
  - 5.1- SCREEN MESH MADE OF 0.028" STAINLESS STEEL 304 GRADE.
  - 5.2- ALL ALUMINUM EXTRUSIONS SHALL BE MADE WITH 6063-T5 ALLOY OR AS INDICATED IN THIS DRAWING.
  - 5.3- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED BY THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING.
- 6- LOADS: A PROJECT DESIGN PRESSURES, DETERMINED FROM SECTION 1620 AND ASCE 7-10, SHALL BE PROVIDED BY A PROFESSIONAL ARCHITECT OR ENGINEER. THE PRESSURES MUST BE MULTIPLIED BY 0.6 FACTOR AND MUST NOT EXCEED THE PRODUCT ALLOWABLE PRESSURES HERE IN SPECIFIED.
- 7- THE CONTRACTOR MUST VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE IN SUSTAINING THE PRODUCT IMPOSED LOADS.
- 8- MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL/ METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2010 FBC SECTION 2003.8.4.
- 9- 33 1/3% INCREASE IN ALLOWABLE STRESS HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. ANCHORS INTO WOOD WERE DESIGNED WITH 1.6 LOAD DURATION.
- 10- HARDWARE:
  - 10.1- MID POINT LOCK: WARTIAN 1850 ATTACHED BY TWO #6X1 3/4" SCREWS AND ONE #8X 1 1/2" TEK SCREWS AT BOTTOM OF HANDLE.
  - 10.2- 16" FROM EACH ENDS: WARTIAN A116-117 DEAD BOLT LOCK ATTACHED BY TWO #6X2 1/2" SCREWS

### TABLE OF CONTENTS:

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1	GENERAL NOTES, TABLE OF CONTENTS, TYPICAL ELEVATIONS ALLOWABLE DESIGNED PRESSURES
2	SECTIONS DETAILS
3	PRODUCT COMPONENTS, CORNER ASSEMBLY

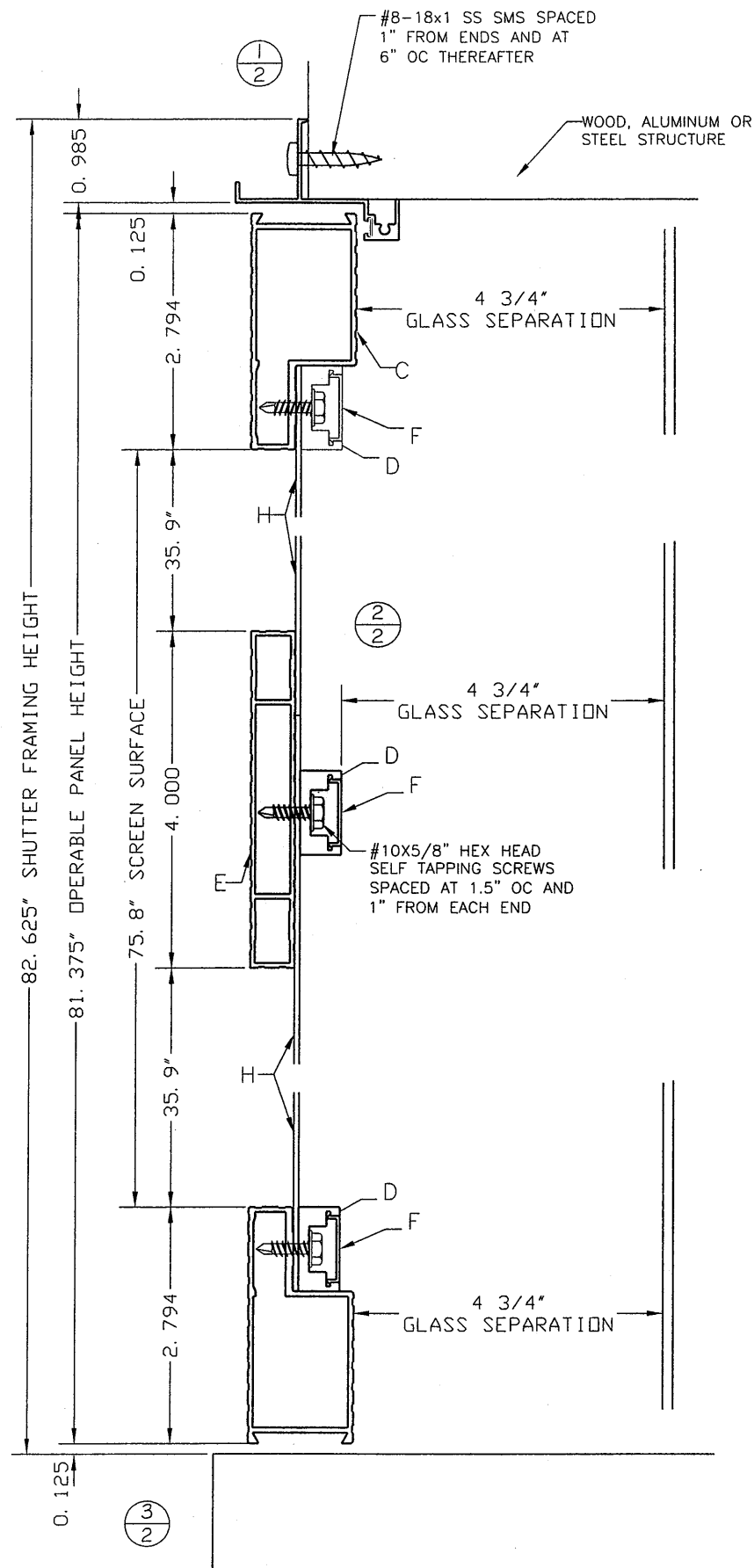
### TYPICAL ELEVATIONS



### NOTES:

- 1- PRODUCT CAN BE INSTALLED ROTATED.
- 2- #12X.028 - 40% POROSITY (SCREEN)

# TYPICAL SECTIONS

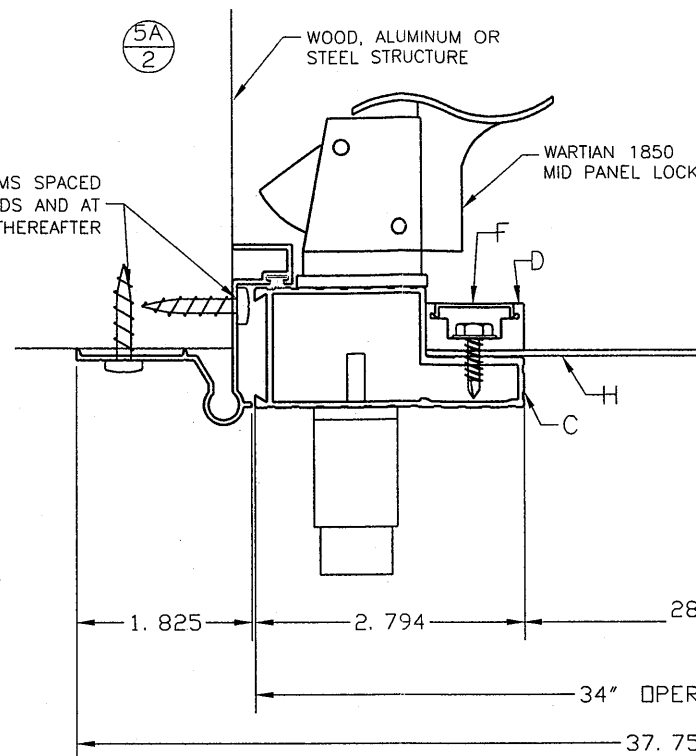


#8-18x1 SS SMS SPACED  
1" FROM ENDS AND AT  
6" OC THEREAFTER

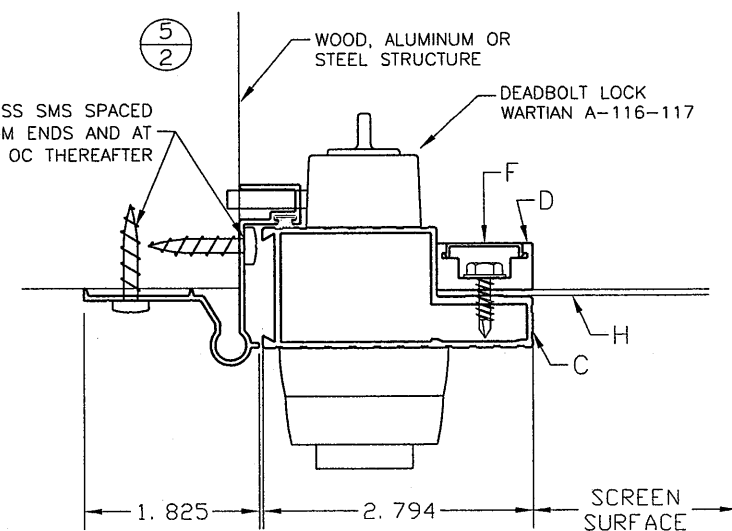
## ANCHORS:

TYPE	DESCRIPTION	SUBSTRATUM	EMBED.	E. D.
A	#8-18X1" SS SMS	1/8" METAL	1/8"	1/2"
B	#8-18X1" SS SMS	WOOD WITH SG >= .55	7/8"	5/8"

EMB. - MINIMUM EMBEDMENT  
E. D. - MINIMUM EDGE DISTANCE



#8-18x1 SS SMS SPACED  
1" FROM ENDS AND AT  
6" OC THEREAFTER



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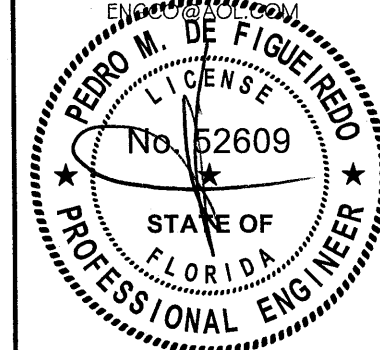
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OPERABLE HURRICANE SCREEN  
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**MAY 23 2012**

Engineer Seal  
Pedro De Figueiredo - PE 52609

MIAMI-DADE BCCO:

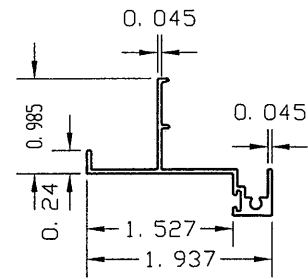
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No **12-0625.14**  
Expiration Date **02/25/2014**  
By *He Long A. Allen*  
Miami Dade Product Control

DATE: 05/17/2012  
SCALE: NA  
DESIGN BY: PPMF

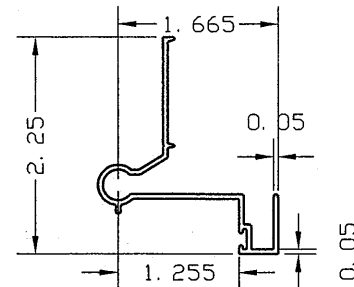
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2 OF 3

DRAWING #:  
12-098

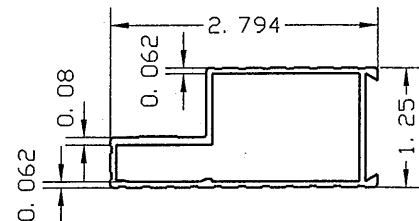
# PRODUCT COMPONENTS



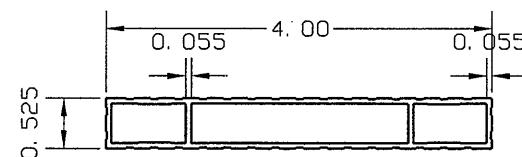
A- HEADER FRAMING  
6063-T5



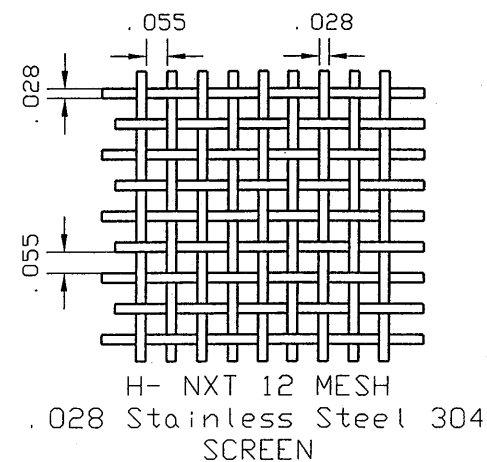
B- JAMB FRAMING  
6063-T5



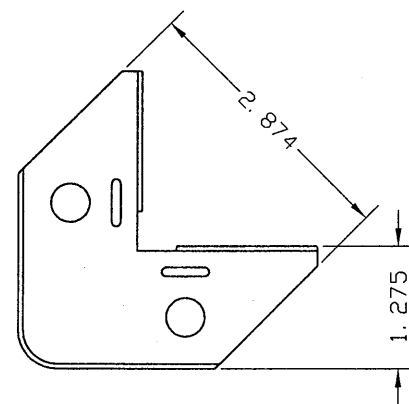
C- DOOR FRAMING  
6063-T5



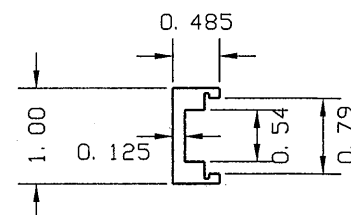
E- PUSH PLATE  
6063-T5



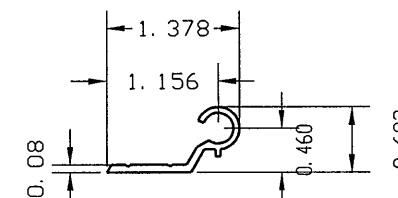
H- NXT 12 MESH  
.028 Stainless Steel 304  
SCREEN



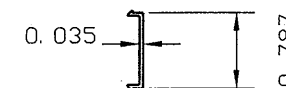
G- FRAME CORNER KEY  
#390-0393  
18ga/.05 GALV. STEEL



D- COVER STRIP V-CORNER  
6063-T5



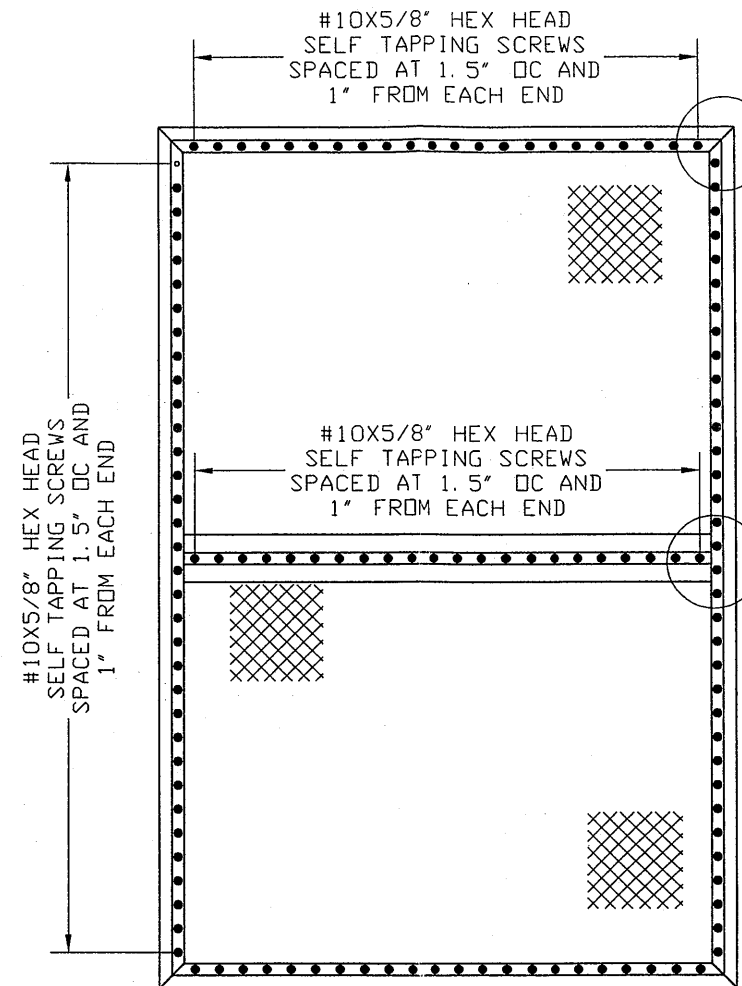
M- DOOR HINGE  
6063-T5



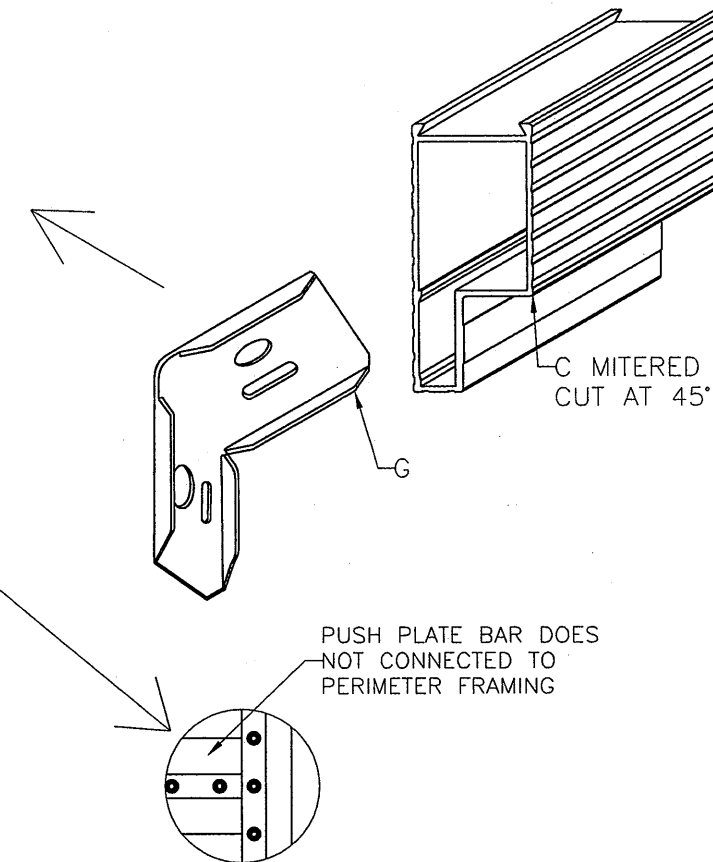
F- SCREW COVER  
#1000244 BLK - PLASTIC

L- WEATHER STRIPPING  
PILE FELT

## REAR ELEVATION TYPICAL SCREEN PANEL ASSEMBLY SCREWS LAY-OUT



## TYPICAL CORNER ASSEMBLY



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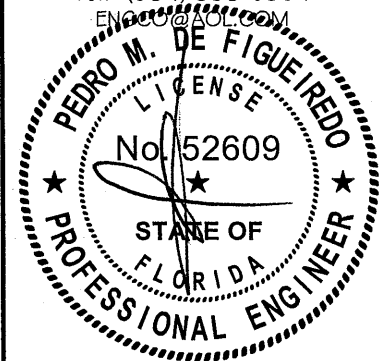
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SHEET  
3 OF 3

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